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TRANSMITTAL FORM

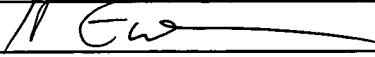
(to be used for all correspondence after initial filing)

		Application Number	10/691,384
		Filing Date	October 22, 2003
		First Named Inventor	Stephen P. Oliver
		Group Art Unit	1653
		Examiner Name	
Total Number of Pages in this Submission	7*	Attorney Docket Number	HME/7477.0017

ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Fee transmittal form <input type="checkbox"/> Fee attached	<input type="checkbox"/> Assignment Papers (for an application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing Related Papers <input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation, Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Small Entity Statement <input type="checkbox"/> Request for Refund	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Additional Enclosures (identify below) 1 Foreign Patent Reference 8 Non-Patent References
Remarks: * - plus references		

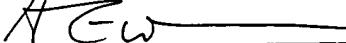
SIGNATURE OF APPLICANT, ATTORNEY OR AGENT

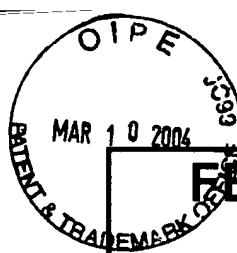
Firm or Individual Name	Howard Eisenberg, Esq. 2206 Applewood Court Perkasie, Pennsylvania 18944
Signature	
Date	March 8, 2004

CERTIFICATE OF MAILING

I hereby certify that, on the date shown below, this correspondence is being deposited with the United States Postal Service in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450,

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Type or print name	Howard Eisenberg		
Signature		Date	March 8, 2004



FEET TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37CFR 1.27

TOTAL AMOUNT OF PAYMENT

\$0

Complete If Known	
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METHOD OF PAYMENT (check all that apply)				FEE CALCULATION (continued)																																																																																																																																																																																																					
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ADDITIONAL FEES <table border="1"> <thead> <tr> <th>Large Entity</th> <th>Small Entity</th> <th colspan="2">Fee Description</th> <th>Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee (\$)</th> <th></th> </tr> </thead> <tbody> <tr> <td>1051</td> <td>130</td> <td>2051</td> <td>65</td> <td>Surcharge - late filing fee or oath</td> </tr> <tr> <td>1052</td> <td>50</td> <td>2052</td> <td>25</td> <td>Surcharge-late provisional filing fee or cover sheet</td> </tr> <tr> <td>1053</td> <td>130</td> <td>1053</td> <td>130</td> <td>Non-English specification</td> </tr> <tr> <td>1812</td> <td>2,520</td> <td>1812</td> <td>2,520</td> <td>For filing a request for ex parte reexamination</td> </tr> <tr> <td>1804</td> <td>920*</td> <td>1804</td> <td>920*</td> <td>Requesting publication of SIR prior to Examiner action</td> </tr> <tr> <td>1805</td> <td>1,840*</td> <td>1805</td> <td>1,840*</td> <td>Requesting publication of SIR after Examiner action</td> </tr> <tr> <td>1251</td> <td>110</td> <td>2251</td> <td>55</td> <td>Extension for reply within first month</td> </tr> <tr> <td>1252</td> <td>420</td> <td>2252</td> <td>210</td> <td>Extension for reply within second month</td> </tr> <tr> <td>1253</td> <td>950</td> <td>2253</td> <td>475</td> <td>Extension for reply within third month</td> </tr> <tr> <td>1254</td> <td>1,480</td> <td>2254</td> <td>740</td> <td>Extension for reply within fourth month</td> </tr> <tr> <td>1255</td> <td>2,010</td> <td>2255</td> <td>1,005</td> <td>Extension for reply within fifth month</td> </tr> <tr> <td>1401</td> <td>330</td> <td>2401</td> <td>165</td> <td>Notice of Appeal</td> </tr> <tr> <td>1402</td> <td>330</td> <td>2402</td> <td>165</td> <td>Filing a brief in support of an appeal</td> </tr> <tr> <td>1403</td> <td>290</td> <td>2403</td> <td>145</td> <td>Request for oral hearing</td> </tr> <tr> <td>1451</td> <td>1,510</td> <td>1451</td> <td>1,510</td> <td>Petition to institute a public use proceeding</td> </tr> <tr> <td>1452</td> <td>110</td> <td>2452</td> <td>55</td> <td>Petition to revive - unavoidable</td> </tr> <tr> <td>1453</td> <td>1,330</td> <td>2453</td> <td>665</td> <td>Petition to revive - unintentional</td> </tr> <tr> <td>1501</td> <td>1,330</td> <td>2501</td> <td>665</td> <td>Utility issue fee (or reissue)</td> </tr> <tr> <td>1502</td> <td>480</td> <td>2502</td> <td>240</td> <td>Design issue fee</td> </tr> <tr> <td>1503</td> <td>640</td> <td>2503</td> <td>320</td> <td>Plant issue fee</td> </tr> <tr> <td>Total Claims</td> <td>45</td> <td>- 45</td> <td>**= 0</td> <td>Fee from below</td> <td>Fee Paid 0</td> <td></td> </tr> <tr> <td>Indep. 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**or number of previously paid, if greater. For reissues, see above.

SUBMITTED BY						Complete (if applicable)
Name (print type)	Howard Eisenberg, Esq.	Registration No.	36,789	Telephone	(215) 453-9237	
Signature				Date	March 8, 2004	



Atty Doc. No. HME/7477.0017

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
PATENT APPLICATION EXAMINING OPERATIONS

In re the Application of : Group Art Unit: 1653
Stephen P. Oliver, et al

Serial No. 10/691,384 : Examiner:

Filed: October 22, 2003 : Date: March 8, 2004

For a Patent for :
STREPTOCOCCUS UBERIS ADHESION
MOLECULE

INFORMATION DISCLOSURE STATEMENT
IN ACCORDANCE WITH 37 CFR §1.98

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Applicants submit herewith copies of patents and publications of which they are aware and which they desire to have considered by the Patent Office in accordance with 37 CFR §1.97. In accordance with 37 CFR §1.97(b)(3), this Information Disclosure Statement is being submitted before the mailing date of a first Office Action on the merits of the above-identified application.

In accordance with 37 CFR §1.97(h), the filing of this Information Disclosure Statement will not be regarded as an admission that any patent or publication or combination of patents referred to herein is, or is considered to be, material to patentability under 37 CFR §1.56(b) unless specifically designated as such.

A list of the patents and publications enclosed herewith is set forth on the attached 3 pages of Information Disclosure Statement by Applicants.

The person making this statement is the attorney who signs below on the basis of the information supplied by the inventor and the information in his file.

Respectfully submitted,



Howard M. Eisenberg
Reg. No. 36,789
2206 Applewood Court
Perkasie, PA 18944
Attorney for Applicant
Tel: (215) 453-9237

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Box 1450, Alexandria, VA 22313-1450 on March 8, 2004.

Dated: March 8, 2004



Howard M. Eisenberg



**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

				Application Number	10/691,384
				Filing Date	October 22, 2003
				First Named Inventor	Stephen P. Oliver
				Group Art Unit	1653
				Examiner Name	
Sheet	1	of	3	Attorney's Docket No.	HME/7477.0017

U.S. Patent Documents

Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YY	Pages, columns, lines where passages or relevant figures appear
		Number	Kind Code			
AA						
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Sheet	2	of	3		Inventor:	Stephen P. Oliver
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FOREIGN PATENT DOCUMENTS							
Examiner Initials	Cite No. ¹	FOREIGN PATENT DOCUMENTS		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YY	Pages, columns, lines where passages or relevant figures appear	T ²
		Office code	Number				
	B A		WO 98/21231	Jiang et al	05/22/98		
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	B C						
	B D						
	B E						
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Examiner Signature		Date Considered	
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¹ Unique citation designation number. ² Applicant is to place a check mark here if English language translation is attached.

Sheet	3	of	3		Inventor:	Stephen P. Oliver
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OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS						
Examiner Initials	Cite ¹ No.	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and or country where published				T ²
	C A	FANG, W et al, "Effects of lactoferrin and milk on adherence of <i>Streptococcus uberis</i> to bovine mammary epithelial cells", Am J Vet Res, 61:275-279 (2000)				
	C B	FANG, W et al, "Protein expression by <i>Streptococcus uberis</i> in co-culture with bovine mammary epithelial cells", FEMS Microbiology Letters, 166:237-242 (1998)				
	C C	FANG, W and OLIVER, SP, "Identification of lactoferrin-binding proteins in bovine mastitis-causing <i>Streptococcus uberis</i> ", FEMS Microbiology Letters, 176:91-96 (1999)				
	C D	GILBERT, FB et al, "Induction of surface-associated proteins of <i>Streptococcus uberis</i> by cultivation with extracellular matrix components and bovine mammary epithelial cells", FEMS Microbiology Letters, 156:161-164 (1997)				
	C E	JIANG, M et al, "A bovine lactoferrin-binding protein of <i>Streptococcus uberis</i> : identification of the protein and characterization of the gene" ABSTRACT B-503, Proceedings of the American Society of Microbiology (ASM), 97th General Meeting, (1997)				
	C F	PARK, HM et al, "Binding of bovine lactoferrin to <i>Streptococcus dysgalactiae</i> subsp. <i>dysgalactiae</i> isolated from cows with mastitis", FEMS Microbiology Letters, 208:35-39 (2002)				
	C G	PARK, HM et al, "Identification of lactoferrin-binding proteins in <i>Streptococcus dysgalactiae</i> subsp. <i>dysgalactiae</i> and <i>Streptococcus agalactiae</i> isolated from cows with mastitis", FEMS Microbiology Letters, 207:87-90 (2002)				
	C H	RAINARD, P, "Binding of bovine lactoferrin to <i>Streptococcus agalactiae</i> ", FEMS Microbiology Letters, 98:235-240 (1992)				
	C I					
	C J					
	C K					

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